

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Laurent Alain MAJMAN
Appl. No.: NEW Group: Unassigned
Filed: August 27, 2003 Examiner: UNASSIGNED
For: SKEW DETECTION

INFORMATION DISCLOSURE STATEMENT
(SUBMISSION CONCURRENT WITH THE
FILING OF A NEW PATENT APPLICATION)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

August 27, 2003

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- a. ☐ This application was filed before June 30, 2003. Accordingly, submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- b. ☒ This application was filed on or after June 30, 2003. Accordingly, copies of cited US patents and patent application publications therefore are not included. Copies of foreign patent documents and non-patent literature are included.

- c. ☐ This application is a National Phase of a PCT application. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should be forwarded from the International Search Authority. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE
(check at least one box)

- a. ☐ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The patents, publications, or other information listed on the attached PTO 1449 are in the English language and therefore, do not require a statement of relevancy.

- b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

- c. ☒ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(III)(A)(3).

- d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

FEES

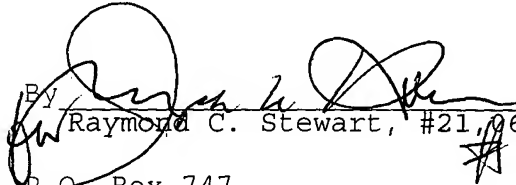
This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

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EHC
RCS/EHC:lmh
0142-0426P

Attachment(s): ☒ Form PTO-1449(s)
☒ Documents
☒ Foreign Search Report
☐ Fee
☐ Other: _____

(Rev. 08/14/03)

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

ATTY DOCKET NO.
0142-0426P

APPLICATION NO.
NEW

APPLICANT
Laurent Alain NAJMAN

FILING DATE
August 27, 2003

GROUP
unassigned

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS

OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

Gatos et al., "Applying Fast Segmentation Techniques At a Binary Image Represented By a Set of Non-Overlapping Blocks", IEEE Comput. Soc., Sept. 10, 2001, pp. 1147-1151.

Bloomberg et al., "Measuring Document Image Skew and Orientation," SPIE Vol. 2422, Feb. 6, 1995, pp. 302-316.

Fisher et al., "A Rule-Based System for Document Image Segmentation," IEEE Comp. Soc. Press, Vol. 1, Conf. 10, June 16, 1990, pp. 567-572.

Das et al., "A Fast Algorithm for Skew Detection of Document Images Using Morphology," Int'l Journal on Document Analysis and Recognition, Dec. 2001, Vol. 4, No. 2, pp. 109-114.

Chen et al., "An Automatic Algorithm for Text Skew Estimation in Document Images Using Recursive Morphological Transforms," IEEE Comp. Soc. Press, Vol. 3, Conf. 1, Nov. 13, 1994, pp. 139-143.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.